

## SPECIFICATION

Substitute the following paragraph for that which was originally filed at page 3, line 28 to page 4, line 16 (published paragraph 18):

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An improved Power Supply Unit (PSU) 100 according to a preferred embodiment of the invention is shown in FIG. 2. The PSU 100 incorporates a conventional type PSU 10' of the type adapted to fit inside a rack enclosure (not shown) and to transform an AC mains supply or a 48V DC supply (not shown) voltage to one or more DC supply rail levels--in the present example 10 3.3V, 5V and 12V. Typical examples of such PSU's are manufactured by Artesyn and Celestica. Within the rack, the PSU 100 connects to a backplane 10 and supplies the DC levels through respective unidirectional devices 12, such as diodes, to corresponding tracks (not shown) running across the backplane 10--the diodes enable more than one PSU to provide power to the same supply rail on the backplane. Other tracks on the backplane form one or more busses which 15 interconnect other devices connected to the backplane. A more detailed description of a rack enclosure housing such power supply units is provided in relation to FIG. 1 in co-pending US application no. 09/900,214 filed July 6, 2001 entitled "Data Gathering Device for a Rack Enclosure" naming Aeden Diarmid Cailcan Coffey et al as inventors [(Attorney docket number PI29273)] published May 9, 2002 as US 2002/0054477 A1.

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## CLAIMS

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1. (Original) A power supply unit controller for a rack enclosure in which a plurality of devices communicate via a backplane, said controller comprising:

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means for reading at least one signal indicative of an output supply level being provided to said backplane by a power supply unit associated with said power supply unit controller;

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memory for storing at least one value associated with a respective one of the at least one signal;

means for communicating said at least one value to one of said devices; and

means for receiving power for said power supply unit controller from said backplane.

2. (Original) A rack enclosure including

5 a backplane,

at least one power supply unit connected to and adapted to supply power to said backplane, each associated with a respective power supply unit controller according to claim 1, and

10 a plurality of devices receiving power from said backplane, at least one of said devices adapted to communicate with the at least one power supply unit controller.

3. (Original) A rack enclosure as claimed in claim 1 in which one of said devices is an Enclosure Services processor arranged to communicate with a bus controller through one of a SCSI  
15 Enclosure Services (SES) or a SCSI Access Fault Tolerant Enclosure (SAF-TE) protocol and said power supply unit controller is adapted to communicate with said Enclosure Services processor.

4. (New) A power supply unit controller for a rack enclosure in which a plurality of devices  
20 communicate via a backplane, said controller comprising:

means for reading at least one signal indicative of an output supply level being provided to said backplane by a power supply unit associated with said power supply unit controller;

25 memory for storing at least one value associated with a respective one of the at least one signal;

means for communicating said at least one stored value to one of said devices; and

means for receiving power for said power supply unit controller from said backplane.

